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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/038,334	10/18/2001	Ashay A. Dani	042390.P12141	7280	
7590 07/26/2006			EXAMINER		
Stephen M. De Klerk			AHMED, SHEEBA		
•	KOLOFF, TAYLOR & Z	ART UNIT	PAPER NUMBER		
Seventh Floor		ARTONII	PAPER NUMBER		
12400 Wilshire	Boulevard	1773			
Los Angeles, CA 90025-1026			DATE MAILED: 07/26/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

•					( )			
<del></del>		Applicati	on No.	Applicant(s)				
		10/038,3	34	DANI ET AL.				
C	Office Action Summary	Examine	r	Art Unit				
		Sheeba A	hmed	1773				
The Period for Re	e MAILING DATE of this commun	ication appears on th	e cover sheet with the	e correspondence a	ddress			
A SHORT WHICHEV - Extensions after SIX (6) - If NO perior - Failure to re Any reply re	ENED STATUTORY PERIOD FOR IS LONGER, FROM THE MOST IS LONGER IS LONGER IN THE MOST IN THE MOST IS LONGER IN THE MOST IN THE MOST IS LONGER IN THE MOST IN THE	AILING DATE OF TI of 37 CFR 1.136(a). In no ex junication. atutory period will apply and w will, by statute, cause the app	HIS COMMUNICATI  rent, however, may a reply be  rill expire SIX (6) MONTHS fro  blication to become ABANDO	ON. e timely filed  rom the mailing date of this ENED (35 U.S.C. § 133).				
Status								
1)⊠ Res	ponsive to communication(s) file	ed on <i>5/3/06</i> .						
•—	•	2b)⊠ This action is r	non-final.					
3) Sinc	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition o	f Claims							
4) ☐ Clair 4a) C 5) ☑ Clair 6) ☑ Clair 7) ☑ Clair	m(s) is/are pending in the Of the above claim(s) is/a m(s) <u>1-13 and 15-27</u> is/are allow m(s) <u>28</u> is/are rejected. m(s) <u>29 and 30</u> is/are objected to m(s) are subject to restrice	re withdrawn from cored.						
Application P	apers							
9)□ The :	specification is objected to by the	e Examiner.						
/ <del>_</del>	•		) ☐ objected to by th	e Examiner.				
	icant may not request that any object	ction to the drawing(s)	be held in abeyance. §	See 37 CFR 1.85(a).				
Repl	acement drawing sheet(s) including	the correction is require	ed if the drawing(s) is	objected to. See 37 (	CFR 1.121(d).			
11) The	oath or declaration is objected to	by the Examiner. N	ote the attached Offi	ce Action or form P	TO-152.			
Priority under	r 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2) Notice of D 3) Information	eferences Cited (PTO-892) raftsperson's Patent Drawing Review (P Disclosure Statement(s) (PTO-1449 or )/Mail Date		4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:		ΓΟ-152) 			

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#### **DETAILED ACTION**

## Response to Amendment

1. No new amendments to the claims have been entered in the above-identified application. Claims 1-13 and 15-30 are pending.

#### Terminal Disclaimer

2. The terminal disclaimer filed on May 3, 2006 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US. Patent No. 6,813,153 B2 has been reviewed and is accepted. The terminal disclaimer has been recorded.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 28 is rejected under 35 U.S.C. 102(b) as being anticipated by De Sorgo (EP 0790762 A2).

De Sorgo discloses a thermally conductive interface material that may be employed between an electrical component and a heat sink and comprises one or more thermally conductive particulate fillers dispersed in a polymer binder (corresponding to the polymer matrix material of the claimed invention). Typical binders include

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silicones, thermoplastic rubbers, urethanes and other elastomers and typical fillers include aluminum oxide, magnesium oxide, boron nitride and aluminum nitride (corresponding to the fusible metal solder particles of the claimed invention given that a solder is simply defined as a metal or metallic alloy used to join materials) provided in particle sizes ranging from 1 to 50 microns (Page 2, lines 27-38). Other fillers and additives may be included to the extent that the thermal conductivity and other physical properties are not compromised (Page 5, lines 18-20). All limitations of claim 28 are disclosed in the above reference.

## Allowable Subject Matter

4. Claims 1-13 and 15-27 are allowed.

Claims 29 and 30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheeba Ahmed whose telephone number is (571)272-1504. The examiner can normally be reached on Monday-Friday from 6am to 2pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571)272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sheeba Ahmed

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July 22, 2006